IN THE CLAIMS

1. (currently amended)   A dishwasher comprising:

a tub;

at least one filter for filtering water in said tub;

a sensor in flow communication with said tub;

a fluid circulation assembly for circulating water in said tub; and

a control mechanism coupled to said sensor and to said fluid circulation assembly, said control mechanism comprising a processor programmed ~~configured~~ to determine whether a sufficient amount of water flows into said tub during a fill operation based on a signal output by said sensor and to terminate a wash cycle [[if]] when said control mechanism determines that a sufficient amount of water has not flowed into said tub during said fill operation based on said signal output by said sensor.

2. (previously presented)   A dishwasher according to Claim 1 wherein to determine whether a sufficient amount of water has flowed into said tub, said control mechanism:

determines whether an output voltage signal from said sensor has transitioned from a first condition to a second condition.

3. (original)   A dishwasher according to Claim 2 wherein said first condition is that said sensor generates an output signal representative of said sensor being in air, and said second condition is that said sensor generates an output signal representative of said sensor being in water.

4. (canceled)

5. (original)   A dishwasher according to Claim 1 wherein said tub comprises a sump portion, and wherein said sensor is coupled to said tub at said sump portion.

6. (original)   A dishwasher according to Claim 1 wherein said sensor comprises a turbidity sensor.

7. (previously presented)   A method for controlling operation of a dishwasher, the dishwasher comprising a tub, at least one filter for filtering water in the tub, a sensor in flow communication with the tub, and a fluid circulation assembly for circulating water in the tub, said method comprising the steps of:

determining whether a sufficient amount of water has flowed into the tub during a fill operation, and

if an insufficient amount of water has flowed into the tub during the fill operation, terminating a current wash cycle.

8. (previously presented)   A method according to Claim 7 wherein determining whether the sufficient amount of water has flowed into the tub comprises the step of determining whether an output voltage signal from the sensor has transitioned from a first condition to a second condition.

9. (original)   A method according to Claim 8 wherein said first condition is that the sensor generates an output signal representative of the sensor being in air, and the second condition is that the sensor generates an output signal representative of the sensor being in water.

10. (original)   A method according to Claim 7 wherein the sensor is a turbidity sensor.

11. (withdrawn)   A kit comprising a turbidity sensor for coupling to a tub of a dishwasher, said sensor further configured to couple to a control mechanism comprising a processor programmed to determine whether sufficient water has flowed into the tub based on an output of said sensor.

12. (withdrawn)   A kit according to Claim 11 wherein to determine whether sufficient water has flowed into the tub, the control mechanism:

determines whether an output voltage signal from said sensor has transitioned from a first condition to a second condition during a fill operation, and

if said output voltage signal has not transitioned from the first condition to the second condition, then terminates a current wash cycle.

13. (withdrawn)   A kit according to Claim 11 wherein the first condition is that the sensor generates an output signal representative of the sensor being in air, and the second condition is that the sensor generates an output signal representative of the sensor being in water.

14. (withdrawn)   A kit according to Claim 11 wherein the tub comprises a sump portion, and wherein said sensor is configured to couple to the tub at the sump portion.